

PURCHASER	P.O. #	DATE
PROJECT	LOCATION	
ENGINEER	ARCHITECT	
SUBMITTED BY	FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL

## Wall-mounted single zone

One wall-mounted indoor unit connected to one outdoor unit.

### features

- Auto swing louvers (up/down)
- Continuous 'Air Sweep'
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleeker appearance
- Washable, reusable air filters
- Removable front grille
- Auto-changeover (heat pump models)









Appearance varies by model.

### wireless remote









- Remote for each indoor unit
- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat\* modes
- Four fan speeds heating\* or cooling: high/medium/low/quiet, plus auto-fan
- Secured remote control holder
- Four different transmitter codes to prevent unintentional interference with nearby units

\* Heat pump models only

### cool only

model	btu/h	seer
 M09CF	9700	14.3
 M12CF	12300	13.5
 M18CF	18000	19.0
 M24CF	24200	18.0
 M30CF	30700	15.0
 M36CF	33100	15.0

### cool/ heat pump

model	btu/h	seer
  M09YF	9700 9600	14.3
  M12YF	12300 12800	13.7
  M18YF	18000 21600	19.0
  M24YF	24200 27600	18.0

# wall mounted cooling

 Inverter model

PERFORMANCE RATINGS							
SYSTEM MODEL NO.		M09CF	M12CF	M18CF ⓘ	M24CF ⓘ	M30CF ⓘ	M36CF ⓘ
INDOOR MODEL		MW09C1F	MW12C1F	MW18C3F	MW24C3F	MW30C3F	MW36C3F
OUTDOOR MODEL		MR09C1F	MR12C1F	MR18C3F	MR24C3F	MR30C3F	MR36C3F
Capacity Cooling	BTU/h	9700	12300	18000	24200	30700	33100
SEER		14.3	13.5	19.0	18.0	15.0	15.0
Moisture Removal	Pts/h	2.1	3.2	5.9	5.3	9.7	10.1
Airflow (Quiet, Low, Med, High)	CFM	185/220/260/295	215/250/305/355	240/290/355/415	380/450/560/650	380/450/560/650	365/440/530/700
Sound Rating - Indoor	dB-A	26/31/36/40	28/35/40/45	25/32/38/44	32/36/41/47	32/36/41/47	32/36/41/49
Sound Rating - Outdoor	dB-A	43	45	50	52	53	54
Operating Range	°F	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115
ELECTRICAL DATA							
Power Source		115-60-1	115-60-1	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1
Min. Ampacity	A	12	15	16	21	22	22
Cooling Watts	W	820	1060	1730	2310	3460	4040
Max. TD Fuse/Breaker	A	15	20	20	30	30	30
REFRIGERATION SYSTEM							
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Compressor Type		Rotary	Rotary	Inverter	Inverter	Inverter	Inverter
Connections		Flare	Flare	Flare	Flare	Flare	Flare
Liquid Line O.D.	in	1/4	1/4	1/4	1/4	3/8	3/8
Suction Line O.D.	in	3/8	3/8	1/2	5/8	5/8	5/8
Factory Precharge	ft	25	25	49	49	66	66
Max. Line Length	ft	49	49	66	98	164	164
Max. Height Difference	ft	26	26	49	66	98	98
DIMENSIONS & WEIGHT							
INDOOR UNIT							
W x H x D	in	31 1⁄8 x 10 7⁄8 x 8 1⁄2	31 1⁄8 x 10 7⁄8 x 8 1⁄2	31 1⁄8 x 10 7⁄8 x 8 1⁄2	39 1⁄4 x 12 5⁄8 x 9	39 1⁄4 x 12 5⁄8 x 9	39 1⁄4 x 12 5⁄8 x 9
Net Weight	lbs	21	21	21	31	31	31
Shipping Weight	lbs	26	26	26	40	40	40
OUTDOOR UNIT							
W x H x D	in	31 1⁄8 x 21 1⁄4 x 11 3⁄8	31 1⁄8 x 21 1⁄4 x 11 3⁄8	31 1⁄8 x 22 3⁄4 x 12 3⁄8	31 1⁄8 x 22 3⁄4 x 12 3⁄8	35 3⁄8 x 32 5⁄8 x 13	35 3⁄8 x 32 5⁄8 x 13
Net Weight	lbs	68	77	88	97	137	137
Shipping Weight	lbs	77	86	98	106	155	155

# wall mounted heat pumps

PERFORMANCE RATINGS					
SYSTEM MODEL NO.		M09YF	M12YF	M18YF ⓘ	M24YF ⓘ
INDOOR MODEL		MW09Y1F	MW12Y1F	MW18Y3F	MW24Y3F
OUTDOOR MODEL		MR09Y1F	MR12Y1F	MR18Y3F	MR24Y3F
Capacity Cooling	BTU/h	9700	12300	18000	24200
Capacity Heating @ 47°F	BTU/h	9600	12800	21600	27600
Capacity Heating @ 17°F	BTU/h	7600	9900	16600	21000
HSPF		8.2	8.2	10	10
SEER		14.3	13.7	19.0	18.0
Moisture Removal	Pts/h	2.1	3.2	5.9	5.3
Airflow (Quiet, Low, Med, High)	CFM	185/220/260/295	215/250/305/355	240/290/355/415	380/450/560/650
Sound Rating - Indoor	dB-A	26/31/36/40	28/35/40/45	25/32/38/44	32/36/41/47
Sound Rating - Outdoor	dB-A	43	45	50	52
Operating Range COOL (HEAT)	°F	0 - 115 (17-75)	0 - 115 (17-75)	0 - 115 (5-75)	0 - 115 (5-75)
ELECTRICAL DATA					
Power Source		115-60-1	115-60-1	230/208-60-1	230/208-60-1
Min. Ampacity	A	12	15	16	21
Cooling Watts	W	820	1070	1730	2310
Max. TD Fuse/Breaker	A	15	20	20	30
REFRIGERATION SYSTEM					
Refrigerant		R410A	R410A	R410A	R410A
Compressor Type		Rotary	Rotary	Inverter	Inverter
Connections		Flare	Flare	Flare	Flare
Liquid Line O.D.	in	1/4	1/4	1/4	1/4
Suction Line O.D.	in	3/8	3/8	1/2	5/8
Factory Precharge	ft	25	25	49	49
Max. Line Length	ft	49	49	66	98
Max. Height Difference	ft	26	26	49	66
DIMENSIONS & WEIGHT					
INDOOR UNIT					
W x H x D	in	31 1⁄8 x 10 7⁄8 x 8 1⁄2	31 1⁄8 x 10 7⁄8 x 8 1⁄2	31 1⁄8 x 10 7⁄8 x 8 1⁄2	39 1⁄4 x 12 5⁄8 x 9
Net Weight	lbs	21	21	21	31
Shipping Weight	lbs	26	26	26	40
OUTDOOR UNIT					
W x H x D	in	31 1⁄8 x 21 1⁄4 x 11 3⁄8	31 1⁄8 x 21 1⁄4 x 11 3⁄8	31 1⁄8 x 22 3⁄4 x 12 3⁄8	31 1⁄8 x 22 3⁄4 x 12 3⁄8
Net Weight	lbs	71	79	88	97
Shipping Weight	lbs	79	88	98	106